

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	automatic near2 input near2 calibration near2 syste\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 10:59
S2	1	automatic same (input near2 calibration near2 syste\$2)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 10:59
S3	347	automatic adj3 calibration adj2 syste\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:02
S4	31	(automatic adj3 calibration adj2 syste\$2) same opti\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:03
S6	6	(automatic adj3 calibration adj2 syste\$2) and (transdu\$3 near3 opti\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:04
S7	164	(calibration adj2 syste\$2) and (transdu\$3 near3 opti\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:04
S8	10	(calibration adj2 syste\$2) same (transdu\$3 near3 opti\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:04
S10	444	("702"/\$).ccls. and transdu\$3 same opti\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:08
S11	17	(noise adj2 estimat\$4) same algorithm same window	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:32
S12	0	(noise adj2 estimat\$4) same algorithm same door	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:32
S13	9	(noise adj2 estimat\$4) same algorithm and door	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:32
S14	4	((("20020172374") or ("20020085725") or ("20030035549") or ("20020172376"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/26 18:20

S15	35	(("4558460") or ("5666426") or ("5550922") or ("5530761") or ("5509081") or ("5450494") or ("5615270") or ("5434922") or ("5172358") or ("5107539") or ("4953221") or ("4891837") or ("4882762") or ("4868881") or ("4628526") or ("4553257") or ("4322579") or ("5631968") or ("5463695") or ("5444788") or ("4972164") or ("4947133") or ("4859964") or ("4853963") or ("4641361") or ("4562591") or ("4482973") or ("4368435") or ("4306202") or ("4249042") or ("4216427") or ("4169219") or ("3789143")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/22 19:32
S16	78	(381/71.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/11/12 18:37
S17	389	(381/71.9-71.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/07/26 17:17
S18	67	(381/71.9-71.14).ccls. and ambient	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/10 16:21
S19	21	("3992585"   "4481662"   "4483015"   "4504704"   "4594695"   "4596033"   "4672674"   "4677676"   "4741038"   "4783817"   "4783818"   "4845757"   "4953217"   "4956867"   "4985925"   "5018202"   "5033082"   "5046103"   "5091954"   "5117461"   "5138664").PN.	USPAT	OR	OFF	2005/09/09 14:38
S20	8	(381/71.1-71.14).ccls. and (environment \$2 adj3 input)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/18 18:27
S21	1	(381/71.1-71.14).ccls. and (time adj3 response adj4 algorit\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/24 10:01
S22	31	(381/71.1-71.14).ccls. and (time adj4 algorit\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/24 10:09
S23	2	(381/71.1-71.14,56,94.1).ccls. and (time adj4 algorit\$3) same delay	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:30
S24	25	(381/71.1-71.14,56,94.1).ccls. and (time adj4 algorit\$3) and delay	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/07/26 17:38
S25	5	(381/71.1-71.14,56,94.1).ccls. and (time adj4 algorit\$3) and delay and threshol\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/24 10:54

S26	5	(381/71.9-71.14).ccls. and (environment \$2 adj3 input)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 15:19
S27	5	("4852175"   "5581621"   "6098038"   "6128353"   "6430528").PN.	USPAT	OR	OFF	2004/08/24 09:38
S28	33	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/13 13:01
S29	16	(noise adj2 extrac\$3) same algorit\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/24 09:50
S30	20	(noise adj2 extrac\$4) same algorit\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/26 18:26
S31	10	"5509081".URPN.	USPAT	OR	OFF	2004/08/24 09:57
S32	7	(381/71.1-71.14).ccls. and (time adj3 response) same algorit\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/24 10:01
S33	40	"4536887".URPN.	USPAT	OR	OFF	2004/08/24 10:03
S34	2	syfx.AS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/24 10:09
S35	8	("4887299"   "5027410"   "5515432"   "5526419"   "5615270"   "6088461"   "6104822"   "6360203").PN.	USPAT	OR	OFF	2004/08/24 10:09
S37	358	(381/71.11-71.14).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/08/24 11:39
S38	5	("4852175"   "5581621"   "6098038"   "6128353"   "6430528").PN.	USPAT	OR	OFF	2004/08/24 11:33
S39	217	(381/71.11-71.14).ccls. and delay	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/24 11:41
S40	49	(381/71.11-71.14).ccls. and algorit\$2 same delay	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 16:07
S41	6	(381/71.11-71.14).ccls. and algorit\$2 same delay same gain	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/24 11:48
S42	8	("4887299"   "5027410"   "5515432"   "5526419"   "5615270"   "6088461"   "6104822"   "6360203").PN.	USPAT	OR	OFF	2004/08/24 11:49
S43	3	"5615270".URPN.	USPAT	OR	OFF	2004/08/24 11:50
S44	3	"5615270".URPN.	USPAT	OR	OFF	2004/08/24 11:50

S45	82	("3714622"   "3934084"   "3934085"   "4025723"   "4223181"   "4247955"   "4254303"   "4297527"   "4306115"   "4380824"   "4406923"   "4409435"   "4438526"   "4461025"   "4476571"   "4479237"   "4553258"   "4590593"   "4598417"   "4628526"   "4636586"   "4641344"   "4649505"   "4672674"   "4677389"   "4696030"   "4696044"   "4718099"   "4723294"   "4731850"   "4751739"   "4769847"   "4823391"   "4827458"   "4837834"   "4852175"   "4864246"   "4887299"   "4891605"   "4953221"   "4956867"   "4965834"   "5018202"   "5018205"   "5048091"   "5068834"   "5077799"   "5081682"   "5089997"   "5107539"   "5117401"   "5126681"   "5131047"   "5146505"   "5146507"   "5204971"   "5208866"   "5226016"   "5243661"   "5255324"   "5267322"   "5291558"   "5293425"   "5311446"   "5325437"   "5416846"   "5434922"   "5434926"   "5450494"   "5485523"   "5530761"   "5539832"   "5615270"   "5635903"   "5666426"   "5774565"   "5796847"   "5844992"   "5872852"   "6061455"   "6072881"   "6078670"   "2001/0055400").PN.	USPAT	OR	OFF	2007/11/14 16:06
S46	178	(381/71.11).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/08/24 12:50
S47	10	(381/71.11-71.14).ccls. and noise adj3 fluctuat\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 14:51
S48	1	("5450494").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2004/08/25 15:02
S49	5	("4852175"   "5581621"   "6098038"   "6128353"   "6430528").PN.	USPAT	OR	OFF	2004/08/25 15:06
S50	8	("4887299"   "5027410"   "5515432"   "5526419"   "5615270"   "6088461"   "6104822"   "6360203").PN.	USPAT	OR	OFF	2004/08/25 15:08
S51	230	(noise adj2 extrac\$4) and algorit\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 15:40
S52	36	(noise adj2 extrac\$4) same reference and algorit\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 15:42
S53	37	(noise adj2 extrac\$4) same (reference adj2 signal)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 16:02
S54	1	("5509081").PN.	USPAT; USOCR	OR	OFF	2004/08/25 15:57
S55	10	"5509081".URPN.	USPAT	OR	OFF	2004/08/25 15:57

S56	7	"5907622".URPN.	USPAT	OR	OFF	2004/08/25 16:00
S57	30	(noise adj2 extrac\$4) same (fluctua\$6)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 16:02
S58	17	(381/71.11-71.14).ccls. and time adj2 response	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 16:10
S59	226	(381/71.11-71.14).ccls. and amplitude	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 16:17
S60	10	(381/71.11-71.14,71.1-71.4).ccls. and loop adj3 process\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 16:24
S61	163	(381/71.11-71.14,71.1-71.4).ccls. and reference same algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/25 16:24
S62	17	("4122432"   "4429578"   "4750147"   "4965732"   "5119432"   "5201292"   "5245589"   "5255565"   "5270950"   "5410604"   "5419198"   "5430690"   "5434783"   "5511008"   "5528557"   "5535131"   "5727073").PN.	USPAT	OR	OFF	2004/08/25 16:28
S63	2	((("4589137") or ("5251263"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/08/26 18:21
S64	232	(noise adj2 extrac\$4) and algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/26 18:31
S65	319	(noise adj2 estimat\$4) same algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/30 11:31
S66	334	(381/71.11-71.14,71.1-71.4).ccls. and algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/08/26 18:41
S69	1	(381/71.9-71.14,94.1-94.7,71.1-71.4). ccls. and (modify\$3 with (ambient or environment\$2)) with algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/03 14:31
S70	6	(381/71.9-71.14,94.1-94.7,71.1-71.4). ccls. and (modify\$3 with (ambient or environment\$2 or noise)) with algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/01 16:32
S71	2	(381/71.9-71.14,94.1-94.7,71.1-71.4). ccls. and (modify\$3 with (ambient or environment\$2 or noise)) with ((error adj2 correction) or (time adj2 response) or (amplitude adj2 response))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/04 18:09
S72	6	("5615270").URPN.	USPAT	OR	OFF	2005/06/03 14:26
S73	6	("5615270").URPN.	USPAT	OR	OFF	2005/06/03 14:26
S74	11	(381/71.9-71.14,94.1-94.7,71.1-71.4). ccls. and (negative adj2 feedback) same (difference or subtract\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/03 14:34

S75	23	(381/71.9-71.14,94.1-94.7,71.1-71.4). ccls. and (negative adj2 feedback) and microphones	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/04 12:47
S76	3	(381/71.9-71.14,94.1-94.7,71.1-71.4). ccls. and (adaptive with compander)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/04 12:48
S77	14	("381"/\$).ccls. and (adaptive with compander)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/04 12:48
S78	1	("5832097").PN.	USPAT	OR	OFF	2005/09/09 14:08
S79	5	((("4553257") or ("4628526") or ("4868881") or ("4482973") or ("5666426")).PN.	USPAT	OR	OFF	2005/09/09 14:40
S80	1	(381/71.1-71.14,56,94.1).ccls. and (algorit\$3) same (time adj2 response) same error	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 14:50
S81	266	(381/71.9-71.14).ccls. and algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 15:26
S82	16	(381/71.9-71.14).ccls. and (difference with noise with reference)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 15:27
S83	23	(381/71.9-71.14).ccls. and (negative adj2 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 15:29
S84	7	(381/71.1-71.14,94.1-94.7).ccls. and (negative adj2 feedback) same difference	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/28 14:24
S85	199	(381/71.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/01/22 10:48
S86	60	(381/71.13).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/09/09 16:10
S87	316	(381/94.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/01/11 10:55
S88	470	(381/56).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/09/09 15:42
S89	14	(381/71.1-71.14,94.1-94.7).ccls. and (negative near2 feedback) same (difference or subtract\$4)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 16:28
S90	4	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) same (error adj2 correction)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 17:10
S91	8	("381"/\$).ccls. and (algorithm) same (error adj2 correction)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 16:30

S92	143	("381"/\$).ccls. and (algorithm) near4 (time)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 16:31
S93	61	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) near4 time	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:25
S94	2	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) near4 time same (speaker same noise)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 16:33
S95	2	(381/71.1-71.14,94.1-94.7).ccls. and ((algorithm) near4 time) same (speaker same noise)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 16:34
S96	17	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) same amplitude same (speaker same noise)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 17:02
S97	9	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) same (power adj3 estima \$4)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 17:05
S98	8	("381"/\$).ccls. and (power adj3 estima \$4 adj3 algorithm)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 17:05
S99	27	(power adj3 estima\$4 adj3 algorithm) and noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 17:05
S100	426	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) same (error or time or amplitude)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/09/09 17:10
S101	35	((("4558460") or ("5666426") or ("5550922") or ("5530761") or ("5509081") or ("5450494") or ("5615270") or ("5434922") or ("5172358") or ("5107539") or ("4953221") or ("4891837") or ("4882762") or ("4868881") or ("4628526") or ("4553257") or ("4322579") or ("5631968") or ("5463695") or ("5444788") or ("4972164") or ("4947133") or ("4859964") or ("4853963") or ("4641361") or ("4562591") or ("4482973") or ("4368435") or ("4306202") or ("4249042") or ("4216427") or ("4169219") or ("3789143"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/01 14:35
S102	1	S101 and (algorithm with (error or amplitude or time))	USPAT	OR	OFF	2005/10/04 18:06
S103	265	(381/71.9-71.14,94.1-94.7,71.1-71.4).ccls. and (modify\$3 or chang\$3 or compensat\$4) with (ambient or environment\$2 or noise or microphone) with (error or time or amplitude)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 11:33
S104	2	((("6418228") or ("6324502"))).PN.	USPAT	OR	OFF	2005/10/04 19:01

S105	35	(381/71.9-71.14,94.1-94.7,71.1-71.4,56).ccls. and (modify\$3 or chang\$3 or compensat\$4) with (ambient or environment\$2) with (noise or microphone) with (error or time or amplitude)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:24
S106	10	("381"/\$).ccls. and (modify\$3 or chang\$3 or compensat\$4) with (ambient or environment\$2) with (noise or microphone) with (error or time or amplitude) same algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 11:38
S107	15	(modify\$3 or chang\$3 or compensat\$4) with (ambient or environment\$2) with (noise or microphone) with (error or time or amplitude) same algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 11:43
S108	1	("5832097").PN.	USPAT	OR	OFF	2005/10/17 11:42
S109	34	(modify\$3 or chang\$3 or compensat\$4) with (ambient or environment\$2) with (noise or microphone) same (error or time or amplitude) same algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 11:43
S110	2	(modify\$3 or chang\$3 or compensat\$4) with (ambient or environment\$2) with (noise or microphone) same (error or time or amplitude) same algorithm same difference	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 11:43
S111	0	(381/71.9-71.14,94.1-94.7,71.1-71.4,56).ccls. and (ambient or environment\$2) with (noise or microphone) same (error or time or amplitude) same algorithm same difference	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 11:59
S112	1	(381/71.9-71.14,94.1-94.7,71.1-71.4,56).ccls. and (ambient or environment\$2) same (noise or microphone) same (error or time or amplitude) same algorithm same difference	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:14
S113	31	(ambient or environment\$2) same (noise or microphone) same (error or time or amplitude) same algorithm same difference	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:15
S114	35	(("4558460") or ("5666426") or ("5550922") or ("5530761") or ("5509081") or ("5450494") or ("5615270") or ("5434922") or ("5172358") or ("5107539") or ("4953221") or ("4891837") or ("4882762") or ("4868881") or ("4628526") or ("4553257") or ("4322579") or ("5631968") or ("5463695") or ("5444788") or ("4972164") or ("4947133") or ("4859964") or ("4853963") or ("4641361") or ("4562591") or ("4482973") or ("4368435") or ("4306202") or ("4249042") or ("4216427") or ("4169219") or	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/10/17 13:27



		("3789143").PN.				
S115	4	S114 and (LMS or algorithm)	US-PGPUB; USPAT	OR	OFF	2005/10/17 13:28
S116	398	(381/71.1-71.14,56,94.1).ccls. and (noise) same (LMS or algorithm)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:35
S117	0	(381/71.1-71.14,56,94.1).ccls. and (noise) same (LMS or algorithm) same (negative adj2 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:38
S118	0	(381/71.1-71.14,56,94.1).ccls. and (noise or ambient or environmen\$4) same (LMS or algorithm) same (negative adj2 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:37
S119	0	("381"/\$).ccls. and (noise or ambient or environmen\$4) same (LMS or algorithm) same (negative adj2 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:37
S120	0	(381/71.1-71.14,56,94.1).ccls. and (noise) same (LMS or algorithm) same (negative near3 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/29 10:31
S121	0	("381"/\$).ccls. and (noise) same (LMS or algorithm) same (negative near3 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:37
S122	1	("381"/\$).ccls. and (LMS or algorithm) same (negative near3 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:38
S123	6	(381/71.1-71.14,56,94.1).ccls. and (noise) same (LMS or algorithm) same (difference) same feedback	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 13:39
S124	1	("5450494").PN.	USPAT	OR	OFF	2005/10/17 13:39
S125	3	(381/71.9-71.14,94.1-94.7,71.1- 71.4,56).ccls. and (power with adaptive) same small same noise	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:29
S126	118	(381/71.9-71.14,94.1-94.7,71.1- 71.4,56).ccls. and (power with adaptive)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:29
S127	3	(381/71.9-71.14,94.1-94.7,71.1- 71.4,56).ccls. and (feedback) with gain with maximum with minimum	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:32
S128	12	("381"/\$).ccls. and (feedback) with gain with maximum with minimum	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:34
S130	19	("381"/\$).ccls. and (feedback) same gain with maximum with minimum	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:50
S131	29	noise same (feedback) same gain with maximum with minimum	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:50
S132	101	("381"/\$).ccls. and (feedback) and gain with maximum with minimum	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:51

S133	42	("381"/\$).ccls. and (noise same feedback) and gain with maximum with minimum	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 14:51
S134	5	("4852175"   "5581621"   "6098038"   "6128353"   "6430528").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/17 14:52
S135	388	(381/71.11-71.14,).ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/19 18:58
S136	177	(381/71.11-71.14,).ccls. and gain	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/17 16:14
S137	16	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) with time with response	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:27
S138	11	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) with time with response and delay	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:33
S139	1	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm) same time same response same delay same threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 10:09
S140	1	("381"/\$).ccls. and (algorithm) same time same response same delay same threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:35
S141	1	("381"/\$).ccls. and (algorithm or LMS) same time same response same delay same threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:35
S142	37	(algorithm or LMS) same time same response same delay same threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:36
S143	43	(algorithm or LMS) same time same response same delay\$3 same threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:36
S144	35	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/23 17:19
S145	1	S144 and delay same threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:44
S146	12	S144 and delay and threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:49
S147	12	S144 and delay\$3 and threshold\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:49
S148	12	S144 and time same delay\$3 and threshold\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:54
S149	1	S144 and time with response with algorithm same delay\$3 same threshold \$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/28 14:25
S150	1	S144 and time with response with algorithm same delay\$3 and threshold \$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:56

S151	1	S144 and time with response with algorithm and delay\$3 and threshold\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 09:59
S152	1	S144 and time with response with algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 10:00
S153	3	S144 and amplitude with algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 10:00
S154	1	(381/71.1-71.14,94.1-94.7).ccls. and (algorithm or formula or rule) same time same response same delay same threshold	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/18 10:10
S155	35	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/01 13:52
S156	1	S155 and fourier and difference and recti\$7 and envelope and ((root-mean-square) or RMS) and environmental and reference and input and prior	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/01 14:46
S157	216	(381/71.1-71.14).ccls. and ((environment\$2 or noise or ambient) adj3 input)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/01 14:12
S158	35	((("4558460") or ("5666426") or ("5550922") or ("5530761") or ("5509081") or ("5450494") or ("5615270") or ("5434922") or ("5172358") or ("5107539") or ("4953221") or ("4891837") or ("4882762") or ("4868881") or ("4628526") or ("4553257") or ("4322579") or ("5631968") or ("5463695") or ("5444788") or ("4972164") or ("4947133") or ("4859964") or ("4853963") or ("4641361") or ("4562591") or ("4482973") or ("4368435") or ("4306202") or ("4249042") or ("4216427") or ("4169219") or ("3789143"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/01 14:36
S159	1	("5692055").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/01 14:36
S160	0	S155 and fourier and difference and recti\$7 and envelope and ((root-mean-square) or RMS) and environmental and reference and input and prior and delay and threshold and noise and time and nonlinear and exponetial and logarithmic and amplitude and scal\$3 and addi\$5 and multipl\$8 and digital and analog and sub-inputs and negative and feedback	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/01 14:50

S161	1	S155 and fourier and difference and recti\$7 and envelope and ((root-mean-square) or RMS) and environmental and reference and input and prior and delay and threshold and noise and time and nonlinear and exponential and logarithmic and amplitude and scal\$3 and addi\$5 and multipl\$8 and digital and analog and sub-inputs and negative and feedback	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/01 14:50
S162	1	("5832097").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2005/11/22 19:32
S163	36	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/23 17:20
S164	12	S163 and time and amplitude and error and correction and algorithm and plurality	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/03/23 17:20
S165	39	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/28 14:25
S166	1	S165 and (time with response with algorithm) and threshold and delay\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/28 14:26
S167	1	S165 and ((time with response) same algorithm) and threshold and delay\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/28 14:27
S168	1	S165 and ((time with response) same algorithm) and slow	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/28 14:27
S169	13	S165 and (time with response) and algorithm and slow	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/12/28 14:37
S170	13	S165 and (time with response) and algorithm	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/10 16:50
S171	13	S165 and (time with response) and algorithm	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/28 14:39
S172	13	S165 and (time same response) and algorithm	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/28 14:39
S173	185	(381/71.1-71.14,56,94.1).cccls. and (noise) same (LMS or algorithm) same time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 10:35
S174	17	(381/71.1-71.14,56,94.1).cccls. and (noise) same (LMS or algorithm) same (time with response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 10:45

S175	3	("3855423"   "4000369"   "4885790").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/29 10:36
S176	53	(381/71.1-71.14,56,94.1,102-109).ccls. and (noise) same amplitude same feedback same (gain volume)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 11:20
S177	10	("4455675"   "4489441"   "4527282"   "4769766"   "4987598"   "5159547"   "5182774"   "5229699"   "5386477"   "5600729").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/29 10:54
S178	8	(381/71.1-71.14,56,94.1,102-109).ccls. and (noise near3 extract\$3) and ((open near2 loop)(closed near2 loop)(leakage near2 loop)) and (reaction near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 11:23
S179	10	(381/71.1-71.14,56,94.1,102-109).ccls. and (noise) and ((open near2 loop) (closed near2 loop)(leakage near2 loop)) and (reaction near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 11:27
S180	12	("381"/\$).ccls. and (noise) and ((open near2 loop)(closed near2 loop)(leakage near2 loop)) and (reaction near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 16:12
S181	13	("381"/\$).ccls. and (noise) and ((open near2 loop)(closed near2 loop)(leakage near2 loop)) and (reaction same time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 11:26
S182	47808	(381/71.1-71.14,56,94.1,102-109).ccls. and (noise) and (feedback) same differnece subtract	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 11:08
S183	8	(381/71.1-71.14,94.1-94.7).ccls. and (feedback) same (subtract\$3 difference) same reference same (ambient environment\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 11:39
S184	10	("4677676"   "4677677"   "5018202"   "5499302"   "5745580"   "5852667"   "5940519"   "5945019"   "5991418"   "6097823").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/29 11:31
S185	6	(381/71.1-71.14,94.1-94.7).ccls. and (negative near2 feedback) same (subtract\$3 difference) same reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 11:40
S186	15	(381/71.1-71.14,94.1-94.7).ccls. and (negative near2 feedback) same (subtract\$3 difference)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 11:40

S187	33	(381/71.1-71.14,94.1-94.7,102-109).ccls. and (negative near2 feedback) same (subtract\$3 difference)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2006/12/29 12:03
S188	37	(381/71.1-71.14,56,94.1,102-109).ccls. and (noise) same (attack near3 release)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 11:11
S189	12	(381/71.1-71.14,56,94.1,102-109).ccls. and (noise) and (variable near3 attack near3 release)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 14:27
S190	3	((("5784476") or ("6678382") or ("5530761"))).PN.	USPAT	OR	OFF	2007/01/09 11:18
S191	9	(noise) and ((variable near3 attack near3 release) same algorithm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/18 16:19
S192	9	(ambient environment\$2) and ((variable near3 attack near3 release) same algorithm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 14:29
S193	14	(noise) and (variable near3 attack near3 release) and algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 14:30
S194	13	(ambient environment\$2) and (variable near3 attack near3 release) and algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 14:31
S195	88	(ambient environment\$2) same (response near2 time) same algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 14:32
S196	2	"381"/\$.ccls. and (ambient environment \$2) same (response near2 time) same algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 14:33
S197	5	noise same (ambient environment\$2) same (response near2 time) same algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 14:33

S198	234	(381/71.1-71.14,94.1-94.7,102-109). ccls. and (low near2 pass near2 filter) same (variable near3 response near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 15:17
S199	0	(381/71.1-71.14,94.1-94.7,102-109). ccls. and (low near2 pass near2 filter) same (variable near3 response near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 14:35
S200	17	(381/71.1-71.14,94.1-94.7,102-109). ccls. and (low near2 pass near2 filter) same (response near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 15:17
S201	11	("381"/\$).ccls. and (noise) and ((open near2 loop)(closed near2 loop)(leakage near2 loop)) and (reaction near2 time) and algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 16:14
S202	8	("381"/\$).ccls. and (adaptive with (comander compressor expand\$3)) same ((response reaction) near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 16:15
S203	14	(adaptive with (comander compressor expand\$3)) same ((response reaction) near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 16:17
S204	5	("4852175"   "5581621"   "6098038"   "6128353"   "6430528").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/09 16:15
S205	39	(adaptive with (comander compressor expand\$3)) same (response reaction) same time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/09 17:38
S206	1	("6665410").PN.	USPAT	OR	OFF	2007/01/09 17:38
S207	10	("4455675"   "4489441"   "4527282"   "4769766"   "4987598"   "5159547"   "5182774"   "5229699"   "5386477"   "5600729").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/09 17:38
S208	0	("6665410").URPN.	USPAT	OR	OFF	2007/01/09 17:40
S209	0	("6665410").URPN.	USPAT	OR	OFF	2007/01/09 17:40
S210	0	("6665410").URPN.	USPAT	OR	OFF	2007/01/09 17:40
S211	5	dent.in. and loudspeaker and model	USPAT; USOCR; FPRS; EPO	OR	OFF	2007/01/09 18:03
S212	14	("5680450").URPN.	USPAT	OR	OFF	2007/01/09 18:02

S213	910	"381"/\$.ccls. and loudspeaker and model	US-PGPUB; USPAT	OR	OFF	2007/01/09 18:04
S214	19	"381"/\$.ccls. and loudspeaker same model same inverse	US-PGPUB; USPAT	OR	OFF	2007/01/09 18:04
S215	0	("6760451").URPN.	USPAT	OR	OFF	2007/01/09 18:04
S216	0	("6760451").URPN.	USPAT	OR	OFF	2007/01/09 18:04
S217	25	("5091953").URPN.	USPAT	OR	OFF	2007/01/10 14:29
S218	25	("5091953").URPN.	USPAT	OR	OFF	2007/01/10 14:32
S219	1	("4878188").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:32
S220	6	("4122303"   "4153815"   "4417098"   "4649505"   "4677676"   "4677677").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/10 14:32
S221	3	(381/71.1-71.14,94.1-94.7,102-109).ccls. and (low near2 pass near2 filter) same (delay) same algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 14:36
S222	9	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and (noise) same (ambient environment\$2) same (delay) same algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 14:47
S223	14	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and microphone same (algorithm with delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 14:48
S224	4	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and microphone same (algorithm near3 delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 16:00
S225	12	"381"/\$.ccls. and microphone same (algorithm near3 delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 14:51
S226	47	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and microphone same (reference) same (difference subtract \$3) same (gain volume amplitude)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 16:01
S227	13	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and microphone same (reference) same (difference subtract \$3) same (gain volume amplitude) same feedback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 16:17



S228	16	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and microphone same (\$4speaker) same (difference subtract \$3) same (gain volume amplitude) same feedback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 16:48
S229	298	(381/71.9-71.14).ccls. and (difference subtract\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 16:22
S230	0	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and feedback with (gain volume) with max\$4 with mininum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 17:11
S231	0	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and feedback same (gain volume) same (max\$4 with mininum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 17:12
S232	39	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/10 16:50
S233	13	S232 and (minimum and maximum and feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/11 12:02
S234	0	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and feedback with (gain volume) with mininum	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 17:11
S235	0	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and feedback same (gain volume) same (mininum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 17:12
S236	146	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and feedback same (gain volume) same (high same low)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 17:13
S237	112	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and feedback same (gain volume) same (high with low)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/10 18:27
S238	75	(381/71.1-71.14,94.1-94.7,102-109,73.1).ccls. and (user with (gain volume)) same (high with low)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 11:02
S239	13	S232 and (minimum and maximum and feedback) and (difference subtract\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/10 18:37

S240	383	(381/94.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/01/11 10:56
S241	6	S240 and microphone and (feedback same (gain volume) same (minimum low) same (maximum high))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 10:56
S242	97	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and microphone and (feedback same (gain volume) same (minimum low) same (maximum high))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 11:03
S243	46	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and microphone and (feedback same ((gain volume) with (minimum low) with (maximum high)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 11:11
S244	72	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and feedback and ((setting determin\$4 choos%3) same ((gain volume) with (minimum low) with (maximum high)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 11:32
S245	32	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (gain with predetermined with (minimum low) with (maximum high))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 13:36
S246	87	(381/71.14).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 12:02
S247	39	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/11 14:08
S248	1	S247 and ((root-mean-squared) (fourier) (rectify\$3)) same prior same difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 12:05
S249	1	S247 and ((root-mean-square) (fourier) (rectify\$3)) same prior same difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 14:04
S250	1	S247 and ((root-mean-square) (fourier) (rectify\$3)) same difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 12:05

S251	13	S247 and (root near2 mean near2 square)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 12:06
S252	13	S247 and (fourier)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 13:32
S253	1	S247 and (envelope)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 12:07
S254	1	S247 and (compar\$3 with reference with input with power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 13:33
S255	14	S247 and (compar\$3 same reference same power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 13:33
S256	12	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (compar\$3 with (reference \$4speaker) with noise with power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/19 10:54
S257	6	("4658426"   "4939685"   "5402496"   "5473702"   "5475632"   "5608804").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/11 13:38
S258	69	("4658426").URPN.	USPAT	OR	OFF	2007/01/11 13:39
S259	43	bizjak.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/11 14:08
S260	87	(381/71.14).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/18 13:06
S261	11	("5319715").URPN.	USPAT	OR	OFF	2007/01/18 13:19
S262	1	("5170433").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/18 13:20
S263	1	"381"/\$.ccls. and adaptive\$2 with (variable near3 attack near3 release)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/18 16:20

S264	8	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (adaptive\$2 with (reaction near3 time))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/19 10:55
S265	10	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (adaptive\$2 same (reaction near3 time))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/19 10:56
S266	0	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (varying varia\$3) near3 reaction near3 time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/19 10:57
S268	7	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (filter transient) with reaction near3 time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/19 10:57
S269	13	("3826870"   "4122303"   "4153815"   "4177874"   "4417098"   "4489441"   "4490841"   "4815139"   "5018202"   "5091953"   "5097923"   "5224168"   "5233540").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/19 11:00
S270	17	("5416845").URPN.	USPAT	OR	OFF	2007/01/19 11:01
S271	40	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and reaction near3 time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/19 14:44
S273	2	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and delay\$3 same noise same (reaction near3 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/25 17:25
S274	17	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and delay\$3 same noise same (time near3 response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 09:58
S275	8	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and slow same noise same (time near3 response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 10:28
S276	12	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (environmental near3 inputs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 10:30
S277	40	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/22 10:30

S278	21	S277 and (digital same analog)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/22 13:45
S279	153	(381/71.4).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 10:49
S280	132242	S279 and (reaction near2 time) or (time near2 response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 10:49
S281	1	S279 and (reaction near2 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 10:50
S282	15	S279 and (time near2 response)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 10:50
S283	13	S277 and (plurality same algorithms)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/31 13:35
S284	1	("4306115").PN.	USPAT	OR	OFF	2007/01/22 12:47
S285	16	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (power near3 estimat\$3) with algorithm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/23 14:47
S286	40	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/22 13:45
S287	0	S286 and (rectify\$4 same envlope same prior same difference)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 13:45
S288	1	S286 and (rectify\$4 same envelope same prior same difference)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 13:50
S289	1	S286 and (rectify\$4 same envelope same difference)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 13:51
S290	40	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/22 14:04

S291	1	S290 and ((root-mean-square) (fourier) (rectify\$3)) same difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 14:04
S292	1	S290 and (root near2 mean near2 square) same difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 14:06
S293	1	S290 and (fourier near3 transform) same difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 16:12
S294	0	S290 and (combin44 with environmental with inputs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 16:13
S295	13	S290 and (combin\$4 with environmental with inputs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/23 14:37
S296	13	S290 and ((combin\$4 add\$3 sum\$4) with primary)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/22 16:14
S297	40	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/23 14:38
S298	13	S297 and (compar\$3 with reference with power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/23 15:55
S299	36	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (compar\$3 with reference with power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/29 11:32
S300	63	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (compar\$3 with reference with noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/23 14:59
S301	0	S297 and (inidcat\$4 with noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 16:52

S302	13	S297 and (indicat\$4 with noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 11:21
S303	6	("4658426"   "4939685"   "5402496"   "5473702"   "5475632"   "5608804"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/23 16:17
S304	384	(381/94.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/01/23 16:20
S305	33	(381/71.1-71.14,94.1-94.7,102- 109,73.1,56).ccls. and (compar\$3 with reference with noise with level)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/01 10:11
S306	40	toru.in. and telephone same noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/30 17:03
S307	1	terauchi.in. and telephone same noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/30 17:04
S308	13	terauchi.in. and telephone and noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/30 17:04
S309	40	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/31 11:21
S310	13	S309 and (digital same environmental) and analog	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 11:27
S311	3	S309 and (digital same environmental same analog)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 11:28
S312	13	S309 and (digital and environmental and analog)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/01/31 11:28
S313	40	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/31 13:35
S314	13	S313 and (plurality and algorithms)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/01/31 13:35

S315	153	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (noise with (greater exceed\$3) with threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/02/01 12:11
S316	1	("5832097").PN.	USPAT	OR	OFF	2007/02/01 12:11
S317	2	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and delay\$3 same noise same (reaction near3 time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 16:45
S318	43	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/10/25 17:46
S319	0	S318 and (long near2 duration near2 noise near2 floor) with gain	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/25 17:46
S320	16	S318 and (long near2 duration near2 noise near2 floor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/10/25 17:46
S321	11	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and ((noise adj2 floor) near3 (modify\$3 chang\$3) near3 (gain volume amplitude))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 16:50
S322	93	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (noise adj2 floor) and (gain volume amplitude) and noise and (ambient environment\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 16:52
S323	93	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (noise adj floor) and (gain volume amplitude) and (ambient environment\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/12 17:42
S324	87	((noise adj floor) with (gain volume amplitude)) same (ambient environment \$2 microphone\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 18:11
S325	33	yang.in. and (noise adj floor) and suppress\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 18:14
S326	19	fortemedia.AS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/09 18:14



S327	23	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (noise adj floor) with (modify\$3 chang\$3 adjust\$3 compensat\$3) with (gain volume amplitude)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/12 18:08
S328	1	"379"/\$.ccls. and (noise adj floor) with (modify\$3 chang\$3 adjust\$3 compensat\$3) with (gain volume amplitude)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/12 17:43
S329	7	("6151400").URPN.	USPAT	OR	OFF	2007/11/12 17:47
S330	11	("4052678"   "4185168"   "4405831"   "4630304"   "4718099"   "4887299"   "4996712"   "5144675"   "5329243"   "5550923"   "5701352").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/12 17:47
S331	0	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (noise adj floor) same ((delay converg\$4) with (gain volume amplitude) with (error adj2 (correct\$3 compensat\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 12:58
S332	48	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (negative adj2 feedback) same (gain volume amplitude) same reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/12 18:35
S333	16	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (negative adj2 feedback) same (gain volume amplitude) same reference same (microphone ambient environment\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/12 18:35
S334	90	(381/71.14).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/12 18:37
S335	1	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (noise adj floor) same ((delay converg\$4) with (gain volume amplitude))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 13:14
S336	44	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/13 13:01
S337	3	S336 and binary	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 16:49
S338	41	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (windows with (open\$2 closed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 14:53

S339	28	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (roof doors) with (open\$2 closed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 13:20
S340	36	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (modify\$3 adjust\$3 chang\$3) with ((window\$1 door\$1 roof) with (open\$2 closed))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 16:21
S341	434	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (noise near3 control\$4 near3 signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 16:27
S342	1	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (noise near3 control\$4 near3 signal) with SNR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 16:28
S343	3	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (control\$4 adj signal) with SNR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 17:10
S344	0	S336 and (noise adj2 sensitivity adj2 control) same signal-to-noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 17:07
S345	16	S336 and (noise adj2 sensitivity adj2 control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 16:50
S346	0	S336 and (control\$4 near2 (signal-to-noise near2 ratio))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 17:08
S347	7	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and control\$4 near2 (signal-to-noise near2 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 17:43
S348	374	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (signal-to-noise near2 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/13 17:56
S349	13	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (modify\$3 chang\$3 adjust\$3) near2 (signal-to-noise near2 ratio)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 11:05

S350	4	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (delay\$3 with converg\$3 with noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 11:17
S351	44	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (delay\$3 with (change modif\$7) with noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 11:18
S352	0	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (delay\$3 adj3 (response because) adj3 (change modif \$7) adj2 noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 11:19
S353	1	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (delay\$3 near3 (response because) near3 (chang\$3 modif\$7) near3 noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 11:21
S354	2	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (delay\$3 near3 (respon\$4 react\$3) near3 (chang\$3 modif\$7) near3 noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 11:23
S355	24	(381/71.1-71.14,94.1-94.7,102-109,73.1,56).ccls. and (slow near3 noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 14:46
S356	39	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (microphones sensors) and (hearing adj2 aid) and (converg\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 09:42
S357	64	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (microphones sensors) and (hearing adj2 aid) and ((continuous\$2 iterative \$2) with (modify\$3 chang\$3 adjust\$3 adapt\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/14 15:00
S358	1	("5416845").PN.	USPAT	OR	OFF	2007/11/14 16:06
S359	0	S358 and (hearing near2 aid)	USPAT	OR	OFF	2007/11/14 16:10
S360	1	("6151400").PN.	USPAT	OR	OFF	2007/11/14 16:10
S361	7	("6151400").URPN.	USPAT	OR	OFF	2007/11/14 16:10
S362	11	("4052678"   "4185168"   "4405831"   "4630304"   "4718099"   "4887299"   "4996712"   "5144675"   "5329243"   "5550923"   "5701352").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/14 16:22
S363	44	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/14 16:53

S364	17	S363 and ((combin\$3 add\$3 sum\$4) near3 outputs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 14:23
S365	2	(381/71.1-71.14).ccls. and (environment \$2 adj3 input) same (negative adj2 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/18 18:27
S366	7	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (control\$3 near3 SNR)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/18 18:43
S367	34	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and ((control\$3 chang\$3 adjust\$3 modify \$3) near3 SNR)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/18 18:58
S368	45	("381"/\$).ccls. and ((control\$3 chang\$3 adjust\$3 modify\$3) near3 SNR)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/18 19:10
S369	32	("381"/\$).ccls. and ((chang\$3 adjust\$3 modify\$3) near3 signal-to-noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/18 19:11
S370	275	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (microphones sensors) same (hearing adj2 aid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/18 20:07
S371	3	((("5499302") or ("5426703") or ("5170433")).PN.	USPAT	OR	OFF	2007/11/18 20:08
S372	44	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/19 09:36
S373	1	S372 and (reference adj2 input\$1) near2 output near3 power near3 level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 10:09
S374	1	S372 and (reference adj2 input\$1) same output same power same level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 09:37
S375	16	S372 and (reference) same output same power same level	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 09:37

S376	662	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (microphone\$! sensor\$1) same reference same noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 10:12
S377	5	("3814856"   "4425481"   "5524056"   "6101258"   "6394947").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/19 09:48
S378	16	S372 and (reference adj2 input\$s)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 10:12
S379	16	S372 and (reference adj2 inputs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 17:33
S380	44	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (reference adj2 inputs)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 14:05
S381	3	("5434922"   "5450494"   "5666426").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/19 13:28
S382	3	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and ((reference environmental ambient) adj2 inputs) near3 (combin\$3 add\$3 sum\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:29
S383	117	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (microphones sesnsors) near3 (combin \$3 add\$3 sum\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 14:45
S384	44	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/19 14:24
S385	1	S384 and (primary adj3 environmental adj2 input)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 14:24
S386	1	S384 and (primary near2 environmental near2 input)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 14:36
S387	16	S384 and (primary with environmental with input)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 14:37

S388	65	(381/312-331).ccls. and (microphones sesnsors) near3 (combin\$3 add\$3 sum \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 14:56
S389	682	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) same (microphones sensors)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:31
S390	52	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) same (microphones sensors) same (difference subtract\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:37
S391	14	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) with (microphones sensors) with (difference subtract\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:31
S392	0	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) same (microphones sensors) same (difference subtract\$3) same (negative adj2 feedback)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:37
S393	0	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) same (microphones sensors) same (difference subtract\$3) same (feedback with (decreas\$3 reduc\$3 lowers) with output)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:39
S394	0	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) same (microphone sensor) same (difference subtract\$3) same (feedback with (decreas\$3 reduc\$3 lowers) with output)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:39
S395	79	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) same (microphone sensor) same (difference subtract\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:39
S396	10	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) same (microphone sensor) same (difference subtract\$3) same feedback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 15:40
S397	44	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/11/19 17:34

S398	1	S397 and (prior before) near3 determin \$3 near3 difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 17:34
S399	1	S397 and (prior before) with determin \$3 with difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 17:35
S400	1	S397 and (prior before) same determin \$3 same difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 17:53
S401	1	S397 and (plurality near2 (time error amplitude) near2 algorithms)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 17:54
S402	3	S397 and (plurality near2 algorithms)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 17:54
S403	427	(381/71.11-71.14,).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 18:59
S404	2189	(381/312,57,94.1,102,317).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/11/19 18:59
S405	0	(381/71.1-71.14,94.1-94.7,102- 109,73.1,56,312,317,318).ccls. and (\$4speakers transducers) near20 (microphone sensor) near20 (difference subtract\$3) near20 delay near20 converg\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/03 10:18
S406	0	(381/71.1-71.14,94.1-94.7,102- 109,73.1,56,312,317,318).ccls. and (microphone sensor) near20 (difference subtract\$3) near20 delay near20 converg\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/03 10:19
S407	2	(381/71.1-71.14,94.1-94.7,102- 109,73.1,56,312,317,318).ccls. and (microphone sensor) near20 delay near20 converg\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/03 10:19
S409	485	(381/71.9-71.14).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/13 16:56

S410	16	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (noise ambient) near20 delay near20 converg\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/15 10:01
S411	38	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (filter\$3 near20 delay near20 converg \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/15 10:21
S412	6	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (algorithm near20 delay near20 converg \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/15 10:42
S413	8	("6151400").URPN.	USPAT	OR	OFF	2008/09/15 10:55
S414	11	("4052678"   "4185168"   "4405831"   "4630304"   "4718099"   "4887299"   "4996712"   "5144675"   "5329243"   "5550923"   "5701352").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/15 10:56
S415	0	WO-9407305-\$.did.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/15 10:59
S416	0	WO-9407305-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/15 10:59
S417	4	bizjak.in. and (plurality near5 algorithm \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/15 14:46
S418	47	bizjak.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2008/09/29 14:46
S419	16	S418 and converg\$3 near20 (threshold limit) near20 delay\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/29 14:46
S420	0	bizjak.in. and (limit\$2 near4 feedback)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2008/09/30 10:32
S421	0	bizjak.in. and (noise near5 power near5 adjust3 near5 sensitivity near5 control)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2008/09/30 10:46
S422	16	bizjak.in. and (noise near5 sensitivity near5 control)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2008/09/30 10:46
S423	16	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and noise near10 sensitivity near10 control \$4 near10 ((chang\$3 modify\$3 adjust \$3) near10 (output power))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2008/09/30 10:51



S424	1	("5251262").PN.	USPAT	OR	OFF	2008/09/30 11:46
S425	0	S424 and (low near5 pass)	USPAT	OR	OFF	2008/09/30 11:46
S427	20	bizjak.in. and (noise and converg\$3 and amplitude and delay) and limit\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/07/07 10:25
S428	103	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and noise near20 (limit\$2 negative) near10 (loop feedback)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/07/07 10:46
S429	20	bizjak.in. and (noise and converg\$3 and amplitude and delay)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/07/14 13:34
S430	29	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (limit\$3 clipp\$3 restrict\$3) near10 negative near10 feedback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/07/14 17:16
S431	61	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (microphone\$1 sensor\$1) near20 (negative near10 feedback)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/07/15 11:04
S432	54	(381/71.1-71.14,94.1-94.7,102-109,73.1,56,312,317,318).ccls. and (microphone\$1) near20 (negative near10 feedback)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/07/15 13:10
S433	25	"381"/\$.ccls. and (microphone\$1) near20 \$4speak\$2 near20 (negative near10 feedback)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/07/15 13:13
S434	19	bizjak.in. and (noise and converg\$3 and amplitude and delay and negative)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2010/07/15 14:01
S435	2	("3798374"   "6122385").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/07/18 17:47
S436	3	"381"/\$.ccls. and (microphone\$1 near20 \$4speak\$2 near20 feedback) and ( combin\$3 near5 algorithms)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2010/07/18 18:23

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